

Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.

07039-293001

Application No.

09/668,196

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR 1.98(b))

Applicant

Stephen J. Russell et al.

Filing Date

September 22, 2000

Group Art Unit

1642

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
6/5	AA	4,108,983	08/22/78	Wallack			
	AB	5,262,359	11/16/93	Hierholzer			
	AC	5,304,367	04/19/94	Biegon			
	AD	5,738,985	04/14/98	Miles et al.			
	AE	6,110,461	08/29/00	Lee et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
6/5	AF	0 700 995 A2	03/13/96	EPO				
	AG	WO 97/12032	04/03/97	PCT				
	AH	WO 00/76450	12/21/00	PCT			Abstr.	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
6/5	AI	GenBank Accession No. U60282, June 1996.
	AJ	Aleman et al., "Replicative adenoviruses for cancer therapy," <u>Nature Biotechnol.</u> , 2000, 18:723-727
	AK	Andreansky et al., "The application of genetically engineered herpes simplex viruses to the treatment of experimental brain tumors," <u>Proc. Natl. Acad. Sci. USA</u> , 1996, 93:11313-11318
	AL	Arbit et al., "Quantitative studies of monoclonal antibody targeting to disialoganglioside G <sub>D2</sub> in human brain tumors," <u>Eur. J. Nucl. Med.</u> , 1995, 22:419-426
	AM	Bae et al., "Genomic Differences between the Diabetogenic and Nondiabetogenic Variants of Encephalomyocarditis Virus," <u>Virology</u> , 1989, 170:282-287
	AN	Bennett et al., "Fusion of Green Fluorescent Protein with the Zeocin <sup>TM</sup> -Resistance Marker Allows Visual Screening and Drug Selection of Transfected Eukaryotic Cells," <u>Biotechniques</u> , 1998, 24(3):478-482
	AO	Berg et al., "Physiological functions of endosomal proteolysis," <u>Biochem. J.</u> , 1995, 307:313-326
	AP	Bolt and Pedersent, "The Role of Subtilisin-like Proprotein Convertases for Cleavage of the Measles Virus Fusion Glycoprotein in Different Cell Types," <u>Virology</u> , 1998, 252:387-398
	AQ	Cathomen et al. "A Matrix-less Measles Virus is Infectious and Elicits Extensive Cell Fusion: Consequences for Propagation in the Brain," <u>EMBO J.</u> , 1998, 17(14):3899-3909
	AR	Cathomen et al., "Measles Viruses with Altered Envelope Protein Cytoplasmic Tails Gain Cell Fusion Competence," <u>J. Virol.</u> , 1998, 72(2):1224-1234

Examiner Signature

*Frederick Kumback*

Date Considered

8-15-02

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	Applicant Stephen J. Russell et al.		
	Filing Date September 22, 2000	Group Art Unit 1642	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
yh	AS	Chambers et al., "Comparison of genetically engineered herpes simplex viruses for the treatment of brain tumors in a <i>scid</i> mouse model of human malignant glioma," <u>Proc. Natl. Acad. Sci. USA</u> , 1995, 92:1411-1415
	AT	Ch'ien et al., "Fatal Subacute Immunosuppressive Measles Encephalitis (SIME) in Children with Acute Lymphocytic Leukemia - Clinical, Electroencephalographic, and Computerized Tomographic Scan Features," <u>Clin. Electroencephalogr.</u> , 1983, 14(4):214-220
	AU	Cohen et al., "Complete nucleotide sequence of an attenuated hepatitis A virus: Comparison with wild-type virus," <u>Proc. Natl. Acad. Sci. USA</u> , 1987, 84:2497-2501
	AV	Crawford et al., "Thyroid volume measurement in thyrotoxic patients: comparison between ultrasonography and iodine-124 positron emission tomography," <u>Eur. J. Nucl. Med.</u> , 1997, 24:1470-1478
	AW	Dai et al., "Cloning and characterization of the thyroid iodide transporter," <u>Nature</u> , 1996, 379:458-460
	AX	de Felipe et al., "Use of the 2A sequence from foot-and-mouth disease virus in the generation of retroviral vectors for gene therapy," <u>Gene Therapy</u> , 1999, 6:198-208
	AY	Delassus et al., "Genetic Organization of Gibbon Ape Leukemia Virus," <u>Virology</u> , 1989, 173:205-213
	AZ	de Swart et al., "Measles in a Dutch hospital introduced by an immuno-compromised infant from Indonesia infected with a new virus genotype," <u>Lancet</u> , 2000, 355:201-202
	AAA	Duechler et al., "Evolutionary relationships within the human rhinovirus genus: Comparison of serotypes 89, 2 and 14," <u>Proc. Natl. Acad. Sci. USA</u> , 1987, 84:2605-2609
	ABB	Earle et al., "The Complete Nucleotide Sequence of a Bovine Enterovirus," <u>J. Gen. Virol.</u> , 1988, 69:253-263
	ACC	Eiselein et al., "Treatment of Transplanted Murine Tumors with an Oncolytic Virus and Cyclophosphamide," <u>Cancer Res.</u> , 1978, 38:3817-3822
	ADD	Evermann and Burnstein, "Immune Enhancement of the Tumorigenicity of Hamster Brain Tumor Cells Persistently Infected with Measles Virus," <u>Int. J. Cancer</u> , 1975, 16:861-869
	AEE	Flower et al., "Thyroid imaging using position emission tomography - a comparison with ultrasound imaging and conventional scintigraphy in thyrotoxicosis," <u>Br. J. Radiol.</u> , 1990, 63:325-330
	AFF	Flower et al., "Dose-response study on thyrotoxic patients undergoing positron emission tomography and radioiodine therapy," <u>Eur. J. Nucl. Med.</u> , 1994, 21:531-536
	AGG	Gambhir et al., "Assays for Noninvasive Imaging of Reporter Gene Expression," <u>Nucl. Med. Biol.</u> , 1999, 26:481-490
	AHH	Greentree, "Hodgkin's Disease: Therapeutic Role of Measles Vaccine," <u>Am. J. Med.</u> , 1983, 75:928
	AII	Gromeier et al., "Intergeneric poliovirus recombinants for the treatment of malignant glioma," <u>Proc. Natl. Acad. Sci. USA</u> , 97(12):6803-6808
	AJJ	Grote et al., "Live attenuated measles virus induces regression of human lymphoma xenografts in immunodeficient mice," <u>Blood</u> , 2001, 97(12):3746-3754
	AKK	Hook, <u>Proteolytic and Cellular Mechanisms in Prohormone and Proprotein Processing</u> , 1998, R.G. Landes Company, Austin, Texas (Table of Contents only)
	ALL	Hooper et al., "Membrane protein secretases," <u>Biochem. J.</u> , 1997, 321:265-279

Examiner Signature <i>Kendra Krumholz</i>	Date Considered 8-15-02
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Substitute Form PTO-1449, Department of Commerce  
(Modified) Patent and Trademark OfficeAttorney's Docket No.  
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1642**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
bh	AMM	Hughes et al., "The Complete Nucleotide Sequence of Cocksackievirus A21," <u>J. Gen. Virol.</u> , 1989, 70:2943-2952
	ANN	Iizuka et al., "Complete Nucleotide Sequence of the Genome of Cocksackievirus B1," <u>Virology</u> , 1987, 156:64-73
	AOO	Inchauspe et al., "Genomic structure of the human prototype strain H of hepatitis C virus: Comparison with American and Japanese isolates," <u>Biochem.</u> , 1991, 88:10292-10296
	APP	Jackson, "Initiation without an end," <u>Nature</u> , 1991, 353:14-15
	AQQ	Jenkins et al., "The Complete Nucleotide Sequence of Cocksackievirus B4 and Its Comparison to Other Members of the Picornaviridae," <u>J. Gen. Virol.</u> , 1987, 68:1835-1848
	ARR	Kao et al., "C-Peptide Immunochemiluminometric Assay Developed From Two Seemingly Identical Polyclonal Antisera," <u>Annals of Clinical and Laboratory Science</u> , 1992, 22(5):307-350
	ASS	Kato et al., "Molecular cloning of the human hepatitis C virus genome from Japanese patients with non-A, non-B hepatitis," <u>Proc. Natl. Acad. Sci. USA</u> , 1990, 87:9524-9528
	ATT	Kenney and Pagano, "Viruses as Oncolytic Agents: A New Age for "Therapeutic" Viruses," <u>J. Natl. Cancer Inst.</u> , 1994, 86(16):1185-1186
	AUU	Kirn and McCormick, "Replicating viruses as selective cancer therapeutics," <u>Mol. Med. Today</u> , 1996, 2(12):519-527
	AVV	Kirn, "Replication-selective oncolytic adenoviruses: virotherapy aimed at genetic targets in cancer," <u>Oncogene</u> , 2000, 19:6660-6669
	AWW	Lorence et al., "Newcastle Disease Virus as an Antineoplastic Agent: Induction of Tumor Necrosis Factor- $\alpha$ and Augmentation of Its Cytotoxicity," <u>J. Natl. Cancer Inst.</u> , 1988, 80(16):1305-1312
	AXX	Lorence et al., "Complete Regression of Human Neuroblastoma Xenografts in Athymic Mice After Local Newcastle Disease Virus Therapy," <u>J. Nat. Cancer Inst.</u> , 1994, 86(16):1228-1233
	AYY	Macejack and Sarnow, "Internal Initiation of translation mediated by the 5' leader of a cellular mRNA," <u>Nature</u> , 1991, 353:90-94
	AZZ	Mazzaferri, "Radioiodine and Other Treatments and Outcomes," <u>The Thyroid - a Fundamental and Clinical Text</u> , Braverman and Utiger (eds.), Seven Edition, 1996, Lippincott - Raven Publishers, Philadelphia, pp. 922-945
	AAAA	Mettler et al., "Virus Inoculation in Mice Bearing Ehrlich Ascitic Tumors: Antigen Production and Tumor Regression," <u>Infection and Immunity</u> , 1982, 37:23-27
	ABBB	Mota, "Infantile Hodgkin's Disease: Remission after Measles," <u>Br. Med. J.</u> , 1973, 2:421
	ACCC	Murakami and Etlinger, "Degradation of Proteins with Blocked Amino Groups by Cytoplasmic Proteases," <u>Biochem. Biophys. Res. Comm.</u> , 1987, 146(3):1249-1255
	ADDD	Neagoe and Stolan, "Methods of Active Immunotherapy and Viral Oncolysis in some Forms of Cancer," <u>Rev. Roum. Med. - Med. Int.</u> , 1986, 24(2):125-142
	AEEE	Nemunaitis, "Oncolytic viruses," <u>Investigational New Drugs</u> , 1999, 17:375-386
	AFFF	Ohara et al. "Molecular Cloning and Sequence Determination of DA Strain of Theiler's Murine Encephalomyelitis Viruses," <u>Virology</u> , 1988, 164:245-255
	AGGG	Okamoto et al., "Full-Length Sequence of a Hepatitis C Virus Genome Having Poor Homology to Reported Isolates: Comparative Study of Four Distinct Genotypes," <u>Virology</u> , 1992, 188:331-341
✓	AHHH	Ott et al., "Measurement of radiation dose to the thyroid using positron emission tomography," <u>Br. J. Radiol.</u> , 1987, 60:245-251

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## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
Ybf	AIII	Palmenberg et al., "The nucleotide and deduced amino acid sequences of the encephalomyocarditis viral polyprotein coding region," <u>Nucl. Acids Res.</u> , 1984, 12(6):2969-2985
	AJJJ	Parker et al., "Cancer Statistics," <u>CA Cancer J. Clin.</u> , 1997, 47:5-27
	AKKK	Pasquinucci, "Possible Effect of Measles on Leukemia," <u>Lancet</u> , 1971, 7690:136
	ALLL	Paul et al., "The entire nucleotide sequence of the genome of human hepatitis A virus (isolate MBB)," <u>Virus Res.</u> , 1987, 8:153-171
	AMMM	Pentlow et al., "Quantitative imaging of I-124 using positron emission tomography with applications to radioimmunodiagnosis and radioimmunotherapy," <u>Med. Phys.</u> , 1991, 18(3):357-366
	ANNN	Pentlow et al., "Quantitative Imaging of Iodine-124 with PET," <u>J. Nucl. Med.</u> , 1996, 37:1557-1562
	AOOO	Pevear et al., "Analysis of the Complete Nucleotide Sequence of the Picornavirus Theiler's Murine Encephalomyelitis Virus Indicates That It Is Closely Related to Cardioviruses," <u>J. Virol.</u> , 1987, 61(5):1507-1516
	APPP	Racaniello and Baltimore, "Molecular cloning of poliovirus cDNA and determination of the complete nucleotide sequence of the viral genome," <u>Proc. Natl. Acad. Sci. USA</u> , 1981, 78(8):4887-4891
	AQQQ	Radecke et al., "Rescue of Measles viruses from cloned DNA," <u>EMBO J.</u> , 1995, 14(23):5773-5784
	ARRR	Rubin et al., "High-Resolution Positron Emission Tomography of Human Ovarian Cancer in Nude Rats Using <sup>124</sup> I-Labeled Monoclonal Antibodies," <u>Gyn. Oncol.</u> , 1993, 48:61-67
	ASSS	Ryan et al., "The complete nucleotide sequence of enterovirus type 70: relationships with other members of the Picornaviridae," <u>J. Gen. Virol.</u> , 1990, 71:2291-2299
	ATTF	Sato et al. "Attenuated mumps virus therapy of carcinoma of the maxillary sinus," <u>Int. J. Oral Surg.</u> , 1979, 8:205-211
	AUUU	Schattner, "Therapeutic Role of Measles Vaccine in Hodgkin's Disease," <u>Lancet</u> , 1984, 8367:171
	AVVV	Schumacher et al., "Comparative analysis of IRES efficiency of dicistronic expression vectors in primary cells and permanent cell lines," <u>Anim. Cell Tech.</u> , 1999, (Abstract only)
	AWWW	Shoham et al., "Augmentation of Tumor Cell Immunogenicity by Viruses - An Approach to Specific Immunotherapy of Cancer," <u>Nat. Immun. Cell Growth Regul.</u> , 1990, 9:165-172
	AXXX	Sinkovics, "Oncogenes - Antioncogenes and Virus Therapy of Cancer," <u>Anticancer Res.</u> , 1989, 9:1281-1290
	AYYY	Sinkovics, "Viral Oncolysates as Human Tumor Vaccines," <u>Intern. Rev. Immunol.</u> , 1991, 7:259-287
	AZZZ	Sinkovics et al., <u>Medical Hypotheses</u> , 1995, 44:359-368
	AAAAA	Skern et al., "Human rhinovirus 2: complete nucleotide sequence and proteolytic processing signals in the capsid protein region," <u>Nucl. Acids Res.</u> , 1985, 13(6):2111-2126
	ABBBB	Smanik et al., "Cloning of the Human Sodium Iodide Symporter," <u>Biochem. Biophys. Res. Comm.</u> , 1996, 226:339-345
	ACCCC	Smanik et al. "Expression, Exon-Intron Organization, and Chromosome Mapping of the Human Sodium Iodide Symporter," <u>Endocrinology</u> , 1997, 138(8):3555-3558
✓	ADDDd	Smyth and Trapani, "Granzymes: exogenous proteinases that induce target cell apoptosis," <u>Immunol. Today</u> , 1995, 16(4):202-206

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<i>sh</i>	AEEEE	Sonenberg and Meerovitch, "Translation of Poliovirus mRNA," <u>Enzyme</u> , 1990, 44:278-291
	AFFFF	Spitzweg et al., "Prostate-specific Antigen (PSA) Promoter-driven Androgen-inducible Expression of Sodium Iodide Symporter in Prostate Cancer Cell Lines," <u>Cancer Res.</u> , 1999, 59:2136-2141
	AGGGG	Spitzweg et al., "Analysis of Human Sodium Iodide Symporter Immunoreactivity in Human Exocrine Glands," <u>J. Clin. Endocrinol. Metab.</u> , 1999, 84:4178-4184
	AHHHH	Spitzweg et al., "Treatment of Prostate Cancer by Radioiodine Therapy after Tissue-specific Expression of the Sodium Iodide Symporter," <u>Cancer Res.</u> , 2000, 60:6526-6530
	AIIII	Stanway et al., "Comparison of the complete nucleotide sequences of the genomes of the neurovirulent poliovirus P3/Leon/37 and its attenuated Sabin vaccine derivative P3/Leon 12a,b," <u>Proc. Natl. Acad. Sci. USA</u> , 1984, 81:1539-1543
	AJJJJ	Talanian et al., "Substrate Specificities of Caspase Family Proteases," <u>J. Biol. Chem.</u> , 1997, 272(15):9677-9682
	AKKKK	Thornberry et al., "A Combinatorial Approach Defines Specificities of Members of the Caspase Family and Granzyme B," <u>J. Biol. Chem.</u> , 1997, 272(29):17907-17911
	ALLLL	Tjuvajev et al., "Imaging Herpes Virus Thymidine Kinase Gene Transfer and Expression by Positron Emission Tomography," <u>Cancer Res.</u> , 1998, 58:4333-4341
	AMMMM	Torigoe et al., "Application of Live Attenuated Measles and Mumps Vaccines in Children with Acute Leukemia," <u>Biken J.</u> , 1981, 24:147-151
	ANNNN	Werb, "ECM and Cell Surface Proteolysis: Regulating Cellular Ecology," <u>Cell</u> , 1997, 91(4):439-442
	AOOOO	Wolfsberg et al., "ADAM, a Novel Family of Membrane Proteins Containing A Disintegrin And Metalloprotease Domain: Multipotential Functions in Cell-Cell and Cell-Matrix Interactions," <u>J. Cell. Biol.</u> , 1995, 131(2):275-278
	APPPP	Zwitter, "Hodgkin's Disease: Therapeutic Role of Measles Vaccine," <u>Am. J. Med.</u> , 1984, 77:A49, A52, A64
	AQQQQ	Zygiert, "Hodgkin's Disease: Remissions after Measles," <u>Lancet</u> , 1971, 7699:593

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